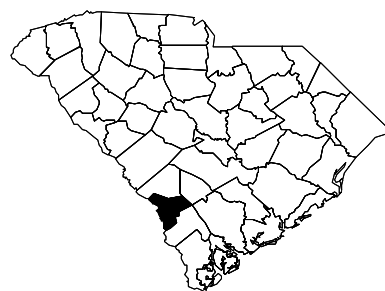


IMPACT OF CHRONIC CONDITIONS ALLENDALE County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Allendale county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The percentage of the population under age of 45 in Allendale county is (63%). This is equivalent to the state average (63%). Allendale county has a higher minority population (73%) than the state (32%), and there are more males (51%) than females (49%). When adults in Allendale county were asked about their general health status, 79.8% reported having excellent, very good, or good health in 2002 (SC was 83%).

	ALLENDALE COUNTY	STATE
Population size	10,949	4,107,183
Age distribution (%)		
<18	25	24
18-44	38	40
45-64	24	24
65-84	11	11
85+	2	1
Race (%)		
White	27	68
Black & Other	73	32
Sex (%)		
Male	51	49
Female	49	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Allendale county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	28	27
Sedentary lifestyle	36	42
Overweight	55	60
High Cholesterol	9	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	28.5	.	.	.	.	28.4
Number of hospitalizations	13	11	2	7	6	5,173
Standard rate of hospitalizations (per 100,000)	112	147	47	133	105	125
Median age of hospitalized patients	68	58	80	48	68	63
Total cost of hospitalization (\$)	104,600	82,200	22,400	67,900	36,700	79,350,400
Average length of hospital stay (days)	4	4	4	5	3	5
Number of ED visits	72	69	3	30	42	7,306
Standard rate of ED visits (per 100,000)	657	948	91	538	804	175
Median age of ED patients	53	53	70	50	55	53
Total cost of ED visits (\$)	32,200	30,800	1,400	13,400	18,800	5,902,800
Number of deaths*	1	1	-	-	1	366
Standard death rate (per 100,000)*	9	15	-	-	16	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	5.57	.	.	.	.	5.13
Number of hospitalizations	30	16	14	16	14	30,831
Standard rate of hospitalizations (per 100,000)	264	233	309	304	228	734
Median age of hospitalized patients	63	63	68	63	68	68
Total cost of hospitalization (\$)	959,500	589,300	370,200	602,700	356,800	969,122,700
Average length of hospital stay (days)	6	7	5	6	6	5
Number of ED visits	12	10	2	6	6	2,754
Standard rate of ED visits (per 100,000)	106	140	41	110	104	66
Median age of ED patients	58	53	58	58	58	63
Total cost of ED visits (\$)	29,800	19,100	10,700	12,900	16,900	10,617,900
Number of deaths*	36	22	14	12	24	9,723
Standard death rate (per 100,000)*	291	312	267	240	293	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	1.97	.	.	.	.	2.38
Number of hospitalizations	25	16	9	8	17	14,317
Standard rate of hospitalizations (per 100,000)	222	247	204	174	258	351
Median age of hospitalized patients	73	68	73	68	73	73
Total cost of hospitalization (\$)	282,700	163,500	119,200	82,200	200,500	279,819,700
Average length of hospital stay (days)	4	5	4	6	4	6
Number of ED visits	.	.	.	.	.	2,732
Standard rate of ED visits (per 100,000)	52	76	14	62	42	67
Median age of ED patients	73	68	73	73	73	73
Total cost of ED visits (\$)	8,500	6,900	1,600	2,500	6,000	6,322,600
Number of deaths*	10	8	2	5	5	2,816
Standard death rate (per 100,000)*	84	119	34	127	68	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	35	23	12	7	28	14,524
Standard rate of hospitalizations (per 100,000)	310	326	259	160	438	351
Median age of hospitalized patients	68	55	73	65	68	58
Total cost of hospitalization (\$)	291,900	174,400	117,500	80,500	211,400	198,700,700
Average length of hospital stay (days)	3	3	5	4	3	5
Number of ED visits	192	149	43	90	102	37,517
Standard rate of ED visits (per 100,000)	1,729	1,900	1,335	1,641	1,819	914
Median age of ED patients	38	33	45	18	43	33
Total cost of ED visits (\$)	108,100	84,200	23,900	52,000	56,100	30,607,600
Number of deaths*	1	1	-	-	1	1,891
Standard death rate (per 100,000)*	9	15	.	-	16	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	9.04	.	.	.	.	8.33
Number of hospitalizations	46	35	11	26	20	8,652
Standard rate of hospitalizations (per 100,000)	431	509	331	512	349	207
Median age of hospitalized patients	53	53	53	48	53	53
Total cost of hospitalization (\$)	457,800	348,800	109,000	215,400	242,400	127,167,500
Average length of hospital stay (days)	5	6	4	5	7	6
Number of ED visits	67	52	15	29	38	9,316
Standard rate of ED visits (per 100,000)	606	718	446	530	638	224
Median age of ED patients	53	48	53	48	53	53
Total cost of ED visits (\$)	35,900	24,100	11,800	21,500	14,400	8,261,100
Number of deaths*	4	3	1	-	1	1,114
Standard death rate (per 100,000)*	35	44	.	-	32	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	58	44	14	21	37	24,644
Standard rate of hospitalizations (per 100,000)	527	617	365	411	674	591
Median age of hospitalized patients	53	53	53	53	53	58
Total cost of hospitalization (\$)	1,327,600	841,900	485,700	615,600	712,000	605,119,300
Average length of hospital stay (days)	7	7	7	7	7	6
Number of deaths*	18	11	7	6	12	8,320
Standard death rate (per 100,000)*	149	153	136	121	158	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	2,113
Standard rate of hospitalizations (per 100,000)	64	59	76	91	42	51
Median age of hospitalized patients	73	70	73	70	73	68
Total cost of hospitalization (\$)	390,400	104,100	286,300	321,000	69,400	80,248,200
Average length of hospital stay (days)	16	14	18	17	14	10
Number of deaths*	2	1	1	1	1	807
Standard death rate (per 100,000)*	15	13	19	20	8	20

BREAST CANCER						State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,465
Standard rate of hospitalizations (per 100,000)	23	39	.	.	39	35
Median age of hospitalized patients	78	78	.	.	78	63
Total cost of hospitalization (\$)	31,100	31,100	.	.	31,100	21,213,600
Average length of hospital stay (days)	1	1	.	.	1	3
Number of deaths*	1	-	1	-	1	630
Standard death rate (per 100,000)*	7	-	14	-	8	15

CERVICAL CANCER						State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	.	.	.	.	.	5
Median age of hospitalized patients	.	.	.	.	.	48
Total cost of hospitalization (\$)	.	.	.	.	.	3,668,300
Average length of hospital stay (days)	.	.	.	.	1	4
Number of deaths*	1	-	-	1	8	26
Standard death rate (per 100,000)*	12	-	-	17	-	3

LUNG CANCER						State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	2,154
Standard rate of hospitalizations (per 100,000)	34	41	19	34	30	51
Median age of hospitalized patients	60	58	83	58	70	68
Total cost of hospitalization (\$)	69,900	66,400	3,500	45,300	24,600	70,474,400
Average length of hospital stay (days)	9	11	2	11	7	9
Number of deaths*	4	2	2	2	2	2,481
Standard death rate (per 100,000)*	33	25	44	41	22	60

PROSTATE CANCER						State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	10	8	2	10	.	1,353
Standard rate of hospitalizations (per 100,000)	92	119	64	202	.	32
Median age of hospitalized patients	58	65	45	58	.	68
Total cost of hospitalization (\$)	133,100	110,700	22,400	133,100	.	24,726,200
Average length of hospital stay (days)	2	2	2	2	.	4
Number of deaths*	2	1	1	2	-	478
Standard death rate (per 100,000)*	17	15	19	41	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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